

Title (en)
MOTOR, MANUFACTURING METHOD THEREOF, AND WASHING MACHINE

Title (de)
MOTOR, HERSTELLUNGSVERFAHREN DAFÜR UND WASCHMASCHINE

Title (fr)
MOTEUR, SON PROCÉDÉ DE FABRICATION, ET MACHINE À LAVER

Publication
EP 3035491 A4 20180530 (EN)

Application
EP 14859907 A 20141107

Priority

- JP 2013231706 A 20131108
- JP 2013241654 A 20131122
- JP 2013251030 A 20131204
- JP 2013268292 A 20131226
- JP 2014162977 A 20140808
- KR 2014010693 W 20141107

Abstract (en)
[origin: EP3035491A1] Provided is a high-powered low profile motor. The motor includes a stator (20) facing a rotor (50) while having a gap from the rotor (50). The stator (20) includes a ring-shaped connection core (10) formed by connecting a plurality of divided cores (5a) and an insulator (24) formed as if surrounding the connection core (10) by resin molding by an insertion forming. An inner diameter (r) of the connection core (10) is set smaller than inner diameters (R) of the divided cores (5a) bent in a half moon shape when connected.

IPC 8 full level
H02K 1/12 (2006.01); **D06F 37/30** (2006.01)

CPC (source: EP US)
D06F 37/206 (2013.01 - US); **D06F 37/304** (2013.01 - EP US); **H02K 1/148** (2013.01 - EP US); **H02K 1/16** (2013.01 - US); **H02K 1/185** (2013.01 - EP US); **H02K 3/522** (2013.01 - EP US); **H02K 15/02** (2013.01 - EP US); **H02K 15/12** (2013.01 - EP US); **H02K 1/2753** (2013.01 - EP US); **H02K 3/345** (2013.01 - EP US); **H02K 3/487** (2013.01 - EP US); **H02K 15/0018** (2013.01 - EP US); **H02K 15/095** (2013.01 - EP US); **H02K 2203/06** (2013.01 - EP US); **H02K 2213/03** (2013.01 - EP US)

Citation (search report)

- [XAI] EP 2584680 A2 20130424 - LG INNOTEK CO LTD [KR]
- [I] EP 2120313 A2 20091118 - FUJITSU GENERAL LTD [JP]
- [I] US 2005067912 A1 20050331 - MURAKAMI TAKUYA [JP], et al
- [I] JP 2005130620 A 20050519 - NIDEC SHIBAURA CORP
- See references of WO 2015069062A1

Cited by
CN110858729A; CN110857502A; IT201900014442A1; WO2018099728A1; WO2021024175A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3035491 A1 20160622; EP 3035491 A4 20180530; EP 3035491 B1 20191016; JP 2015144546 A 20150806; JP 2019022449 A 20190207; JP 6510195 B2 20190508; US 10673289 B2 20200602; US 2016241090 A1 20160818; WO 2015069062 A1 20150514

DOCDB simple family (application)
EP 14859907 A 20141107; JP 2014162977 A 20140808; JP 2018211502 A 20181109; KR 2014010693 W 20141107; US 201415024184 A 20141107